## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

Source:

Date Processed by STIC:

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**IFWP** 

**RAW SEQUENCE LISTING**PATENT APPLICATION: **US/10/574,645**DATE: 04/13/2006

TIME: 10:19:08

Input Set : A:\251206.txt

```
3 <110 > APPLICANT: SALOMON, David
             BERMAN, Nancy
              STEPHENS, Edward
      7 <120> TITLE OF INVENTION: USE OF CRIPTO-1 AS A BIOMARKER FOR NEURODEGENERATIVE DISEASE
AND
             METHOD OF INHIBITING PROGRESSION THEREOF
     10 <130> FILE REFERENCE: 251206
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/574,645
C--> 12 <141> CURRENT FILING DATE: 2006-03-29
     12 <150> PRIOR APPLICATION NUMBER: 60/508,750
     13 <151> PRIOR FILING DATE: 2003-10-03
    15 <150> PRIOR APPLICATION NUMBER: PCT/US2004/032649
    16 <151> PRIOR FILING DATE: 2004-10-01
    18 <160> NUMBER OF SEQ ID NOS: 10
    20 <170> SOFTWARE: PatentIn version 3.3
    22 <210> SEO ID NO: 1
    23 <211> LENGTH: 7355
    24 <212> TYPE: DNA
    25 <213> ORGANISM: Homo sapiens
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    29 <221> NAME/KEY: misc feature
    30 <222> LOCATION: (3154)..(3154)
    31 <223> OTHER INFORMATION: n is a, c, q, or t
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    38 gccagactgg agacctcagt tacttcctct gaaaatgcag tgatttccag gggtcctatt
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    40 taagceteta aaaatteeae aagagettta gataaggaaa tageaaegea ggggtgtgtt
                                                                              240
    42 cttttgccag ttctgccaca ggctgcccag tctctaaaga caagacatcc aaatccccca
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    44 atagaactag ttgtcttgtc cataaagtga gactaatatt gtgggcgcta cttatctact
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    46 tagcaccttg gactggtgag gactgtggtg cacaagctac cttacaaatg taccacactg
                                                                              420
    48 agtaaccatc tttaaacctt cctttgcagc tccagggcta gccttctcct ttgcgagccc
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    50 tececacete ggeeteetag agetteagge catgtteece tgteeetgtg aateteagea
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    52 tgctacctga agcatttcac ctgaaaaggc cacacaggga ggaggcgaag cgcagcagga
                                                                              600
    54 atgaaatagt caactgctgt ggagttggaa atgttgctgc atcccaccat tgactggatg
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    56 gggccctcac tcccccaata caaattattt tacgtttgct tctcccaaga tcatgtgtaa
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    58 ggccgggcgc ggtagctcat gcctgtaatc ccagcacttt gggaggccga ggcgggtgga
    60 tcatgaggtc aggaatttga gaccagactg accaacatgg tgaaaccctg tctctactga
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    62 aaatacaaaa attagccggg cgttgtgcgg gcgcctgtaa tcccagctac tcaggaggtt
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    64 gaggcaggag aatgaggcag gagaatcact tgaacccagg aggtggaggt tgcagtgagc
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    68 aaaaaaaaaa aaaaaaaaaa tcatgtgtag aagtaaataa cacctcttcc cagcacctgt
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    70 ggatccatgg cattcacaca qgtaqgcact gacgctgaaa tggcctcaga tgctaccaat
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    72 tetttetgee gaggeetaaa teeaataaac agagacaact atetaataaa gtttegeatt
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Input Set : A:\251206.txt

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    80 cacttagtgg aaccactcaa taaacacgtt tacccctgca agcggcacat cagagtccgg
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    82 gggtaattet eggtgtegtg gggeeaggae ggegaggge tggaagagge egeeetgtgg
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    86 ctgccgtggt tctagaactt tttcctggaa caggccggca ctcccactgg agagtcccag
    88 etgeetetgg eegeecetee eeteteeegg geacetggeg eegeteeege gteettteag
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    90 gaattcacgt ccgcctggaa tttgcacttc aagtctggag cccccaagga accctcctg
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    92 accetgaact tetateteag ttteaagett cetagtette eecacacaca cacacetage
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    94 tectcaggeg gagageacce etttettgge caccegggta tececeaggg agtaegggge
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    96 tcaaaacacc cttctggaaa aaacaaaggt ggaagcaaat ttcaggaagt aaaacttctg
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    98 aaataaaata aaatatcgaa tgccttgaga cccatacatt ttcaggtttt cctaattaaa
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    104 tgatagagat attagggcta gttaaccaca gttttacaag actcctcttc ccgcgtgtgg
    2220
    108 gttgttgaag aaggagaatc cccggaaagg ctgagtctcc agctcaaggt caaaacgtcc
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    110 aaggeegaaa geeeteeagt tteeeetgga egeettgete etgettetge taegaeette
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    112 tggggaaaac gaatttctca ttttcttctt aaattgccat tttcgcttta ggagatgaat
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    114 gttttccttt ggctgttttg gcaatgactc tgaattaaag cgatgctaac gcctcttttc
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    116 cccctaattg ttaaaagcta tggactgcag gaagatggcc cgcttctctt acaggtatga
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    118 gctaatctta gaatagtgaa ctttttttga ttgctagaga ttgccagctt aggaagtaat
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    120 gttctacact gtcatttgat ttttctcctt gctcaagcct taaaagagct gccaaccgac
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    122 tgctgttttt cctgaaagac ctggaatttc acatggttac ttctaacttt gccattggct
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    124 tttaacattt tcgtgttaat gttaattttc attttatgtt aatgactctg cctatgaaat
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    126 agtgtttctt tacttcttgt acaaataaag gtcagtacta caaccaaatt taaatcttcc
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    128 gaaaagatta aaggtataag cagattcaat acttggcaaa actattaaga taatagcaaa
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    130 aaaaaaaaa aaacccacat tttttaccta aaaacctttt aagtgattgg ttaaaatagt
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    134 gatcactgag gtcaggagac cagcctggcc aacatggcaa aaccccgtct ctattaaaaa
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    136 tacaaaaatt agccaagcat ggtggcgggc acctgtaatc ccagctactc tggaggctga
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W--> 138 ggcaggagaa ttgcttgaac tggggagggg aggncagtga gccgagatcg caccattgca
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    140 ctccagcctg ggtgaaaaac cgaaactccc tctcaaaaat aaataaataa atacagtagt
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    142 ttgtaaaatg attcatcggt aacatgggat gcagctattt tttaatcctt atatgaaaat
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    146 gtacttatgt gaggacaggg cctaagaaat aataatatat attaaaaaga cttggatatt
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    158 tgaattgatt tgtcgttaag ggctgggcca tcaggaattt gctcgtccat ctcggggata
    160 cctggccttc agagatgaca gcatttggcc ccaggaggag cctgcaattc ggcctcggtc
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    164 totgocotgg coottoatgt gtotootgac tatotttoca acactottto acctaaaagg
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    166 gcacctggtt ctggaactgt gcaggtgctg gactgctttg gttttggaag tgagacaagg
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    168 attgtgtatt ttacttccct agagtgcagt ttcctccct gagtccactt cacactggga
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    170 acccagaacc accactggcc tatgcatgaa aatgacttct ctgctcaaag gcacagagtc
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Input Set : A:\251206.txt

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174	cttttccatc	cctacacctc	agtcattctg	ttcttacctt	tcaaggtaag	gagctaaaca	4260
176	gaacctgctg	cctgaatggg	ggaacctgca	tgctggggtc	cttttgtgcc	tgccctccct	4320
178	ccttctacgg	acggaactgt	gagcacgatg	tgcgcaaaga	gtaagcaatt	cagaggggcg	4380
180	gggagccgtg	gagaggagag	agaaagggaa	gtggaaattt	cagacccaag	ctatcgcagc	4440
182	ttacctgttc	attctcagga	actgtgggtc	tgtgccccat	gacacctggc	tgcccaagaa	4500
184	gtgttccctg	tgtaaatgct	ggcacggtca	gctccgctgc	tttcctcagg	catttctacc	4560
186	cggctgtggt	aagcggaggt	tctcctcttt	cttttgccct	ttgaagttac	gtagttgcct	4620
188	tggggggtgc	ttagttagca	ggctctcctt	gtacctcttg	tcttgctaga	gcctggcagc	4680
190	caaagttctg	cttataaaag	catcgcagac	tcctgatgag	atagttgcct	tggcctcttt	4740
192	gatatttatt	tcctcgggaa	cctggctagt	cctgctgcct	ttcagataga	gatgtatttc	4800
194	aagtctattt	gacattttat	ggtctgaact	tctattgagg	aaaataaaca	agtctcggtc	4860
196	tcttgttaaa	ccaagagatg	ttctctggtg	ttcctttcct	ttgggtaggg	gggacccaaa	4920
198	ccaggatggg	cagctcattt	agagcccacc	ctgacgacaa	attctatcag	aggcttggcc	4980
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202	accttaccat	gactggtcac	agaaccctta	ccatgactgg	tcacagaacc	ctttcacctt	5100
204	cttgattttt	tactgatttg	aggaatacaa	tgaaaagaag	ggcagcacct	ggagaggaaa	5160
206	agaggcgaca	gtcctctctc	caccctagcc	tgagccaggt	ttctagggcc	ccccaaattc	5220
208	agagacctat	tatagttctg	ggccttggag	atgtagaaat	ggaaaatatt	caagcccagg	5280
210	aagtaaatga	aagcaaacat	ttcactgaga	acaggaagga	attccccaat	ccagacaggg	5340
					gataggtgtt		5400
214	gggttgggtg	attggatgtg	tagggaacat	ttgctcttcc	tggaacatgg	ggcccaagtc	5460
216	agaatctaac	ccaggttgtg	ctcattcctg	caagtgaagg	catcaccact	gggctaggtt	5520
					gtatagatat		5580
220	tgggcagcag	gatgaactgc	cagagaggtt	tgctttaatg	accaagcatc	cctaccttcc	5640
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					tctatacaaa		5760
					catgcaaatt		5820
					tttgtagttg		5880
					agaactactt		5940
					gaaagtcagc		6000
					agacggagtc		6060
					aacctccgca		6120
					acaggcatgt		6180
					caccatattg		6240
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				_	gtaattctac		6360
					tattggagac		6420
					tcaattaaaa		6480
					ctgaaggaat		6540
					aatagaagag		6600
					gagaagcaag		6660
					taagacaaga		6720
					aaaaaaatt		6780
					gctattcaat		6840
					accaagtgat		6900
					atgcacagta		6960
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Input Set : A:\251206.txt

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272 cacagaaccc tttcacctta ttgatttgta ctgatttcat atggaatatg gcaactacat
274 ctggctcaaa acaaaggaaa ccagaagagc caagtcccag gtgagtgctc agttctgttt
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276 ctagctttga cgtgtgtgtt cttctgtgaa ggacaaaatt tgcttctatt atttaggtac
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282 <211> LENGTH: 188
283 <212> TYPE: PRT
284 <213> ORGANISM: Homo sapiens
286 <400> SEQUENCE: 2
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292 Met Ala Ile Ser Lys Val Phe Glu Leu Gly Leu Val Ala Gly Leu Gly
296 His Gln Glu Phe Ala Arg Pro Ser Arg Gly Tyr Leu Ala Phe Arg Asp
                                40
300 Asp Ser Ile Trp Pro Gln Glu Glu Pro Ala Ile Arg Pro Arg Ser Ser
304 Gln Arg Val Pro Pro Met Gly Ile Gln His Ser Lys Glu Leu Asn Arg
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                                             75
308 Thr Cys Cys Leu Asn Gly Gly Thr Cys Met Leu Gly Ser Phe Cys Ala
312 Cys Pro Pro Ser Phe Tyr Gly Arg Asn Cys Glu His Asp Val Arg Lys
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                                    105
316 Glu Asn Cys Gly Ser Val Pro His Asp Thr Trp Leu Pro Lys Lys Cys
317
            115
                                120
320 Ser Leu Cys Lys Cys Trp His Gly Gln Leu Arg Cys Phe Pro Gln Ala
                            135
                                                 140
324 Phe Leu Pro Gly Cys Asp Gly Leu Val Met Asp Glu His Leu Val Ala
                        150
                                            155
328 Ser Arg Thr Pro Glu Leu Pro Pro Ser Ala Arg Thr Thr Thr Phe Met
                    165
                                        170
332 Leu Val Gly Ile Cys Leu Ser Ile Gln Ser Tyr Tyr
333
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337 <211> LENGTH: 24
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Synthetic
344 <400> SEQUENCE: 3
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353 <220> FEATURE:
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Input Set : A:\251206.txt

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	66 <223> OTHER INFORMATION: Synthetic							
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	<210> SEQ ID NO: 6							
	3 <211> LENGTH: 22							
	4 <212> TYPE: DNA							
	5 <213> ORGANISM: Artificial							
	7 <220> FEATURE:							
	8 <223> OTHER INFORMATION: Synthetic							
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387	87 <213> ORGANISM: Artificial							
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392 <400> SEQUENCE: 7								
393	atgcgccaga aggcggtatc cg	22						
396	<210> SEQ ID NO: 8							
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401	<220> FEATURE:							
402	<223> OTHER INFORMATION: Synthetic							
404	<400> SEQUENCE: 8							
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408	ctactcctca tcctcctcac tatc <pre>c&lt;210&gt; SEQ ID NO: 9</pre>							
409	<211> LENGTH: 1976							
410	<212> TYPE: DNA							
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413	<400> SEQUENCE: 9							
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	ccagtgtggt tttgcttgtg gccatttcca gtgcgtttga atttggaccc gttgctggga	300						
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4.7.4								

Input Set : A:\251206.txt

Output Set: N:\CRF4\04132006\J574645.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 3154

## Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8

VERIFICATION SUMMARYDATE: 04/13/2006PATENT APPLICATION: US/10/574,645TIME: 10:19:09

Input Set : A:\251206.txt

. . .

Output Set: N:\CRF4\04132006\J574645.raw

 $L:12\ M:270\ C:$  Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:3120